

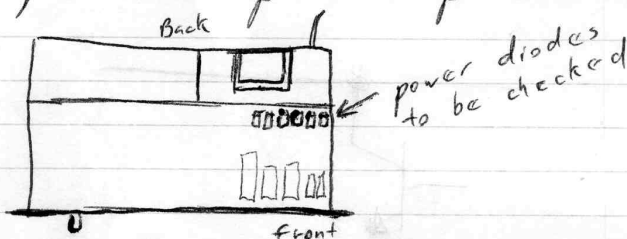
parts

T.L. 12/22/88

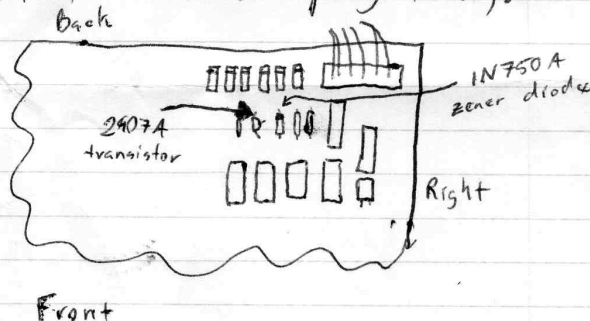
- 6 - 1N4004's
- 1 - 2907A
- 1 - 1N750A
- 1 - EPROM
- 1 - Z80B

MP-1 start-up prob.
check procedure

- #1. open unit and check the six power diodes in the back, right hand side of unit. They should be 1N4004's. If they're not, then change them. The defective diodes we recieved didn't always completely short out, sometimes they just don't deliver enough current to properly start-up the processor



- #2. If power diodes are the right type, and the unit powers but it takes 3 or 4 tries to get the unit to start, change the 2907A transistor and the 1N750A zener diode in the reset circuit. (Just because you're getting the proper logic state out of the reset circuit doesn't mean it is functioning properly, the knee characteristic's of these components can cause faulty power up and even the loss of programs).



- #3. If there are still processor problems then your last shotgun approach is to change the EPROM & the Z80B (although I have still to find a bad Z80B in a repair). by the way an interrupt from the midi I/O on powerup is normal



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